

SECTION 118

HYDRATED LIME MINERAL FILLER

118.1 GENERAL

Hydrated lime mineral filler may be required as an additive to the entire aggregate portion of the asphaltic concrete surface course, asphaltic concrete overlays, and plant mix seal.

118.2 REFERENCES

118.2.1 ASTM
D 242

118.2.2 AASHTO
M 17

118.3 MATERIAL

Hydrated lime mineral filler shall conform to the requirements specified in ASTM D 242 and AASHTO M 17.

118.4 MIXING AND PROPORTIONS

118.4.1 The hydrated lime shall be added to the aggregate such that loss of hydrated lime is minimal or non-existent. Placement of the lime on an open conveyor belt will not be permitted. Placement of the lime on an enclosed belt that does not permit blowing or loss of lime is acceptable.

118.4.2 The CONTRACTOR shall provide appropriate weighing devices, approved by the ENGINEER, to assure that the proportionate amounts of hydrated lime are being added to the coarse aggregate, fine aggregate and filler (if required).

118.4.3 Hydrated lime will be added at a proportion of 1 percent to 2 percent by weight of total aggregate.

118.4.4 Hydrated lime shall be added to the combined aggregate materials in a pug-mill immediately after leaving the cold feed and just prior to introduction into the dryer drum or dryer.

118.4.5 Minimum moisture content of the combined aggregates shall be 3 percent by weight, at the time the aggregate and lime are mixed, to effect a complete coating of the aggregate with the hydrated lime.

118.4.6 The ENGINEER may authorize the increase of the moisture content of the coarse and fine aggregates or the combination of coarse and fine aggregates to obtain proper coating of the aggregates with hydrated lime and to eliminate dust pollution.

118.5 MEASUREMENT AND PAYMENT:

No separate measurement or payment will be made for the additive of hydrated lime mineral filler to specified asphaltic surfacing materials.